

TRIM TO SIZE PADDLE TYPE LIQUID FLOW SWITCH

FSW-25



- ✓ Aluminum Alloy NEMA4 (IP65) Head
- ✓ Easy to Install
- ✓ Less than 3 psig Pressure Drop

The FSW-25 flow switch is activated by the force of liquid which moves the paddle detecting the flow of the liquid in the pipe. In static liquid or no liquid situations, the spring pushes the paddle back to the no-flow condition. The reed switch is normally open.

As flow occurs and the paddle is raised at an upward angle of 20 to 30 degrees (or more), the paddle will push the magnet upward to actuate the reed switch which then closes the circuit.

The length of the paddle can be adjusted to the diameter of the pipe. 1" trim size can only be used with metal pipes.

The installation is simple. Cut the paddle to desired pipe size. No smaller than 1" pipes for metal pipes. The FSW-25 is not recommended to be used in 1 plastic pipe (1¼ is the minimum for plastic pipes). Before installing the unit to a tee pipe, be sure to apply tape seal to the screw then tighten up. The FLOW mark on the screw hexagon must be parallel to the pipe and the ground.

SPECIFICATIONS

- Housing Material:** Aluminum Alloy, NEMA 4 (IP65)
- Operation Temp.:** -30 to 150°C (30 to 300°F)
- Paddle Material:** SUS304 (Similar to 304 SS)
- Operation Pressure:** 355 psig
- Pressure Drop Allowance:** 3 psig
- Set Point Tolerance:** ± 25%
- Repeatability Tolerance:** ± 5%
- Contact Capacity:** 30 Watts/200 Vdc, SPDT
- Maximum Viscosity:** 200 SSU or 43 centistokes



1" PT or NPT

FSW-25 shown smaller than actual size.

Standard Actuation and De-Actuation Setpoints

Pipe Line Size												
	1"	1¼"	1½"	2"	2½"	3"						
Approximate Actuation and De-Actuation Flow Rates—GPM Water												
Paddle Length	Act.	De-Act.	Act.	De-Act.	Act.	De-Act.	Act.	De-Act.	Act.	De-Act.	Act.	De-Act.
1	5	4	8.5	6.5	12	9	17	15				
1¼			6.5	4.5	9	7	15	12	23	20		
1½					14	10	23	16	32	25		
2							18	12	24	17	33	27
2½									20	13	27	22
3											22	16

To Order	
Model No.	Description
FSW-25	Paddle flow switch with head and 1" PT threads
FSW-25-NPT	Paddle flow switch with head and 1 NPT threads
70A-1	Audible alarm
SSRL240AC10	10 Amp solid state relay

Comes complete with operator's manual.
 Ordering Example: FSW-25, flow switch.

